# molift®

## SMART 150

OPERATOR MANUAL

CE

molift®
designed for life

BM09201 Molift SMART 150 English - Rev C1/08/10

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**IMPORTANT!**

The patient lifter is only meant to be used by qualified personnel.
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## About Molift Smart

Molift Smart 150 is a foldable mobile lifter intended for lifting and transferring personnel. The lifter is made out of light materials, it has castors and a battery. It is therefore ideal for mobile care units, such as home care personnel who has a need for lifting capabilities without fixed or stationary lifting devices present in every home.

The Molift Smart 150 with accessories as described in this manual are CE marked according to the Council Directive concerning medical devices (93/42/EEC). The lifter is classified as medical equipment class 1, and tested and verified by a third party, according to standards IEC 60601-1, IEC 60601-1-2 and NS-EN ISO 10535:2006

### Before using the patient lifter

Before using a patient lifter, the operator must be trained accordingly. Practice lifting a colleague, and be lifted by others. It is important not only to know how to move another person using the lifter, but also how it is to be lifted. Try out and practice using all the relevant slings for the different types of lifter and movement you may encounter. Before lifting a person, you should explain the procedure. When using the lifter, it's also important to use the correct sling and accessories according to:

- type of disability
- size
- weight
- type of movement

*The lifter must be taken out of service immediately, or not returned to service, if faults and/or irregularities that may have influence on the safety are discovered.*

## Explanation of symbols

*This symbol is used to point out instructions and information related to work place safety where injury may occur if the information is disregarded or ignored. Follow these instructions, be careful and attentive at all times.*

*This symbol indicates important information regarding the use of the equipment. If not taken into consideration, it may lead to damage or functional defects to the lifter or other equipment.*

*This symbol indicates important and useful information. If taken into consideration, it will help the operator of the lifter to work efficiently. It may help simplify routines and to explain complicated facts.*

## General Safety precautions

### General

Before putting a Molift Smart 150 into operation, the operator must ensure that the lifter and accessories are in good working order, especially with regards to safety.

A Molift Smart 150 shall only be used when all safety devices and equipment is in place and fully operational.

The lifter must be taken out of service immediately, or not returned to service, if faults and/or irregularities that may have influence on the safety are discovered.

*The lifter is designed for use in room temperature, +10 to +40 °C. This should be taken into consideration when transporting the lifter, and therefore keeping it in a temperate part of the vehicle. Alternatively, the lifter must rest in a temperate room until the equipment has achieved proper working temperature.*

*The lifter has an expected lifetime of 10 years or 30 000 lifts with max load (SWL), when all recommended service is performed.*

Injury to personnel or equipment may occur if Molift Smart 150 is used in an incorrect manner and if i.e:

- covers are removed by unauthorised personnel
- used incorrectly
- insufficient maintenance
- load exceeds maximum limit. The maximum load stated in this manual and on the lifter is the maximum load
- unauthorised repair of electrical devices or cables

### Lift and transfer

*The Molift Smart 150 has a Safe Working Load on 150 kg, meaning that it is tested and approved for lifting of patients up to 150 kg. Attempts to lift patients above SWL may damage the lifter and lead to personal injury.*

*The patient lifter may tip over if used incorrectly! Ignorance of warnings and instructions may lead to personnel injury. Read instructions carefully before attempting to lift anyone.*

*Pay close attention to your actions. Ensure that all four loops of the sling are securely fastened to avoid the user slipping or falling*

*Use the push handle to manoeuvre the lift, do NOT attempt to manoeuvre the lift by pushing on the lifting arm, actuator or patient.*

*Torn, cut, frayed or broken slings can fail, resulting in serious injury to the user. Use slings in good condition only. Destroy and discard old, unusable slings.*

*Molift slings shall ONLY be used to lift persons. NEVER use the sling to lift and/or move objects of any kind.*

*Molift Smart 150 should not be run constantly for more than 2 minutes during 18 minutes.*

*If the lifting movement does not start when the corresponding button is pressed, please consult the fault finding table in the maintenance chapter to locate the fault.*

Several factors have to be considered during movement of the lifter. Stand to the side of the user when lifting. Ensure that arms and legs are clear of the lift, chair, bed etc. Try to maintain eye contact with the user - this will help the user feel safe and comfortable.

*Medical electrical equipment requires special precautions regarding electromagnetic compatibility (EMC) and must be installed and used according to instructions contained in this manual. Portable or mobile radio communication equipment may affect the medical electrical equipment.*

## Assembly / disassembly

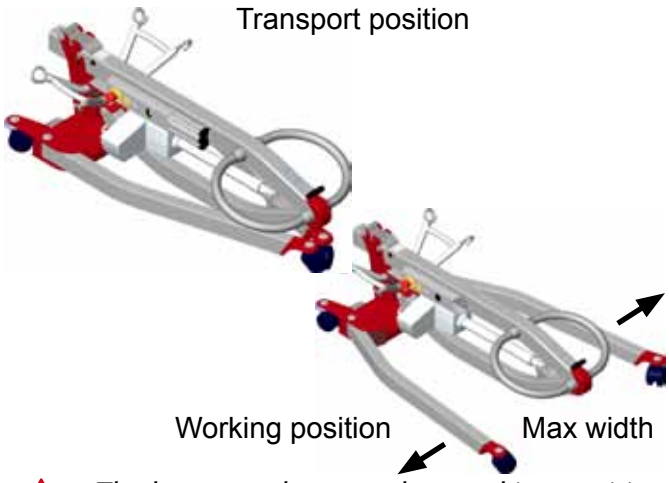
### Unpacking

- The lifter comes in one cardboard box. Verify that the box has no apparent damage. If damaged, check the content and contact your dealer for assistance if components are damaged.
- The box contains one complete Molift Smart lifter with hand control, battery and battery charger.

### Assembly

*The battery must not be in the battery holder during assembly!*

- Remove the transport elastic and spread the legs to working position (maximum width).

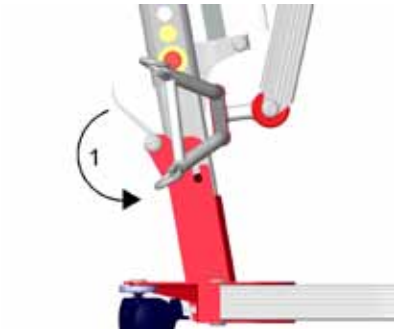



*The legs must be spread to working position before the column can be mounted.*

- Lift up the lifting column and slide it into the bracket on the chassis.

The column must be placed in the bottom of the bracket on chassis as shown on the illustration to the left.

- When the column has placed itself in the bottom of the bracket, it must be fixed with the locking handle on the back of the chassis. Push the locking handle down (1) and make sure the column is properly fixed.




- Lift the suspension out of the transport hook.

*Do not start to run the lifting arm before the suspension is released!*

- Insert the battery into the battery holder and verify that the emergency stop button isn't activated. Run the lifting arm up and down without load to verify that it is working properly.

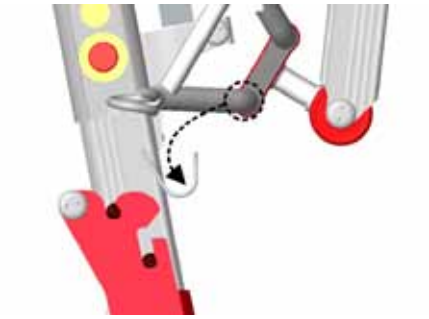
*Check that the lifter is mounted correctly with no loose part or damages. Ensure that the lifting column is fixed properly, and that the legs do not move inside working position.*

*Checklist after mounting.*

- Check the lifter according to the checklist before use on page 7.

## Disassembly

- Run the lifting arm all the way down while holding the suspension up towards the lifting arm allowing the suspension to be placed into the transport hook.



- Remove the battery from the lifter to prevent it from falling out during transportation.

*The control electronics are active as long as the battery is placed in the holder. If the lifter is to be stored for a longer period, the battery should then be removed (or emergency stop activated) to avoid unnecessary discharge of the battery.*

- Open the locking handle, lift up the lifting column (grab with both hands and lift straight up) and fold the column down to transport position.

*The lifter can be split into two parts by lifting the column from the chassis completely. The lifting column/-arm and the chassis with legs are then separate parts.*

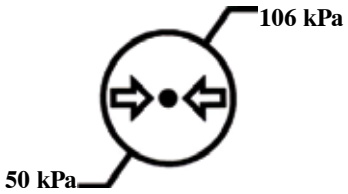
*Be careful not to get legs/arms/hands wedged between the parts when folding down the lifting column/-arm.*

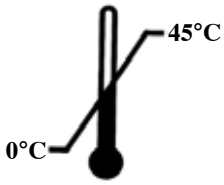
- Fasten the hand control to the driving handle
- Press the legs together and secure legs and lifting column/-arm with the transport elastic.
- Put the lifter into the bag.

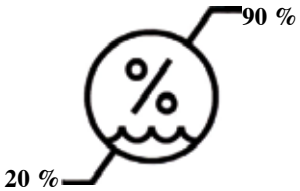
## Storage

For long time storage it is recommended that the battery is removed and the emergency stop button is activated. Storage conditions should be between

Pressure: 50 - 106 kPa
Humidity: 20 - 90 %
Temperature: 0 - 45 °C

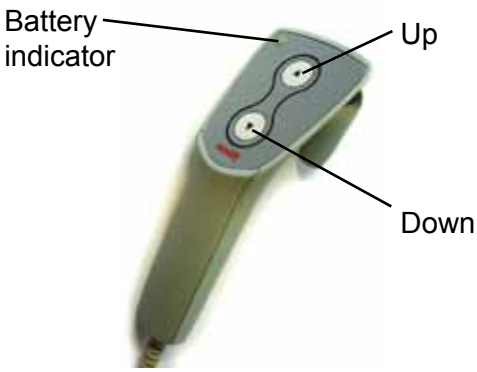


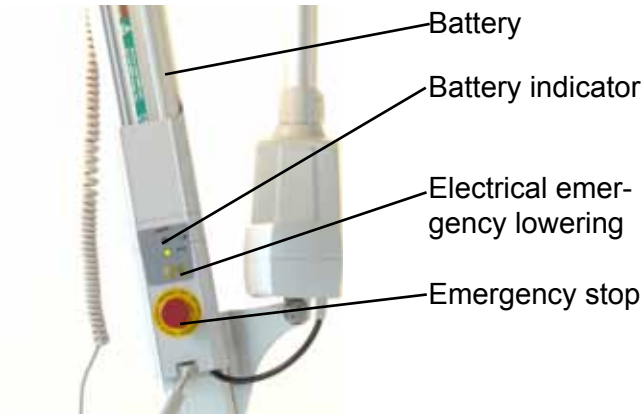



## Molift Smart 150 - use

The Molift Smart 150 hand control has two buttons (up and down). In addition there is a diode which gives a light if the battery needs charging.



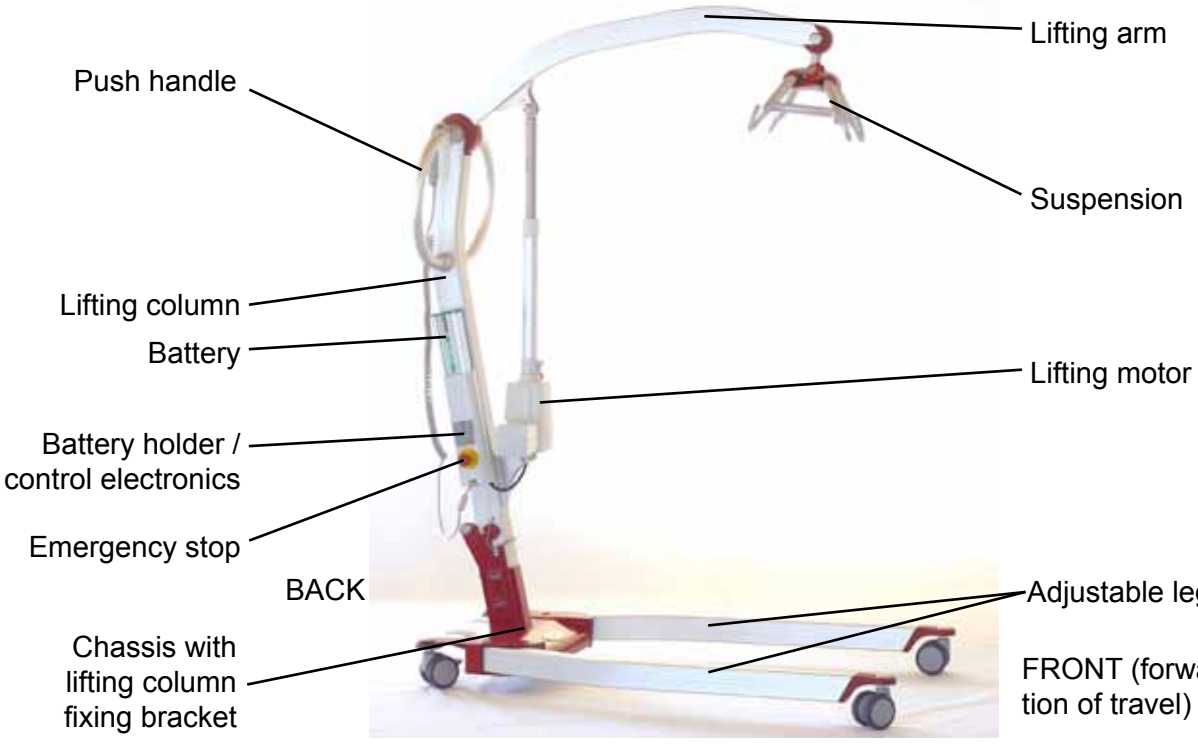

The legs are adjusted with pedals on the chassis.




## Checklist before use

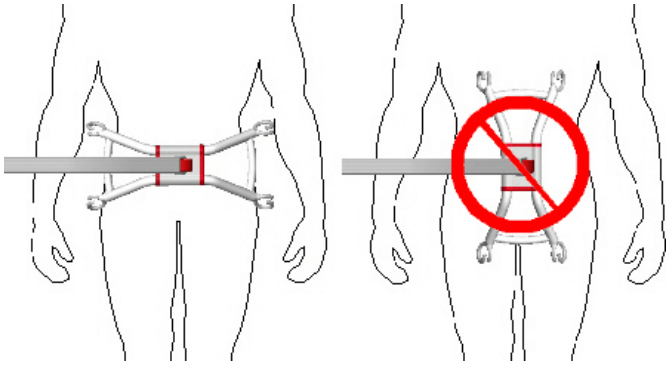
1. Check that the lifter has no apparent damage or other faults.
2. Check that there are no loose parts, and ensure that the lifting column is properly fixed and that the locking handle is properly tightened.
3. Check that the legs are moving in working position only, meaning that the legs do not move inside working position with the column mounted (see fig A).
4. Check that the suspension is released from the transport hook.
5. Check that the emergency stop button is not activated and that the lifter is functioning.
6. Check that you have sufficiently charged batteries (that the battery diode on hand control or chassis does not light).
7. Check that the service lamp gives a green light. If yellow or red light, send lifter to service.
8. If there are any faults or irregularities, the lifter should be taken out of service immediately and marked "out of order". Contact your service partner or local Molift representative.

Fig A



## Lift and transfer

The suspension shall always be positioned across the user as shown left in the illustration below.



*Check that the sling is properly fastened to all four hooks on the suspension to make sure the patient is nor sliding or falling out*

Try to position the user as low as possible (preferably resting the feet on the chassis) when transferring the lifter with a suspended user. In this way, the centre of gravity will be as low as possible and therefore reducing the risk of instability. The lifter should be manoeuvred with spread legs in outer position to achieve the highest possible stability.

Be careful during movement - the suspended user may swing somewhat during turns, stops and starts. Be particularly careful when manoeuvring close to furniture to prevent the suspended user from colliding with these objects.

*The lifter shall not be used to lift or move users on sloping surfaces.*

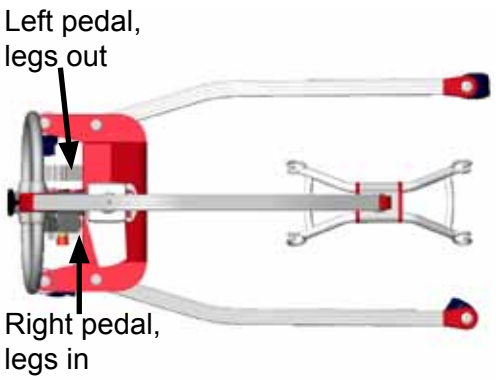
Avoid deep pile carpets, high thresholds, uneven surfaces or other obstacles that may block the castors. The lifter may become unstable if forced over such obstacles increasing the risk of tipping over.

*The lifter shall only be used for movement over short distances. It is not a replacement for wheelchair or similar.*

### Use of spread legs

Use wide legs wherever appropriate, for instance to position the lifter around wheelchairs, toilets etc.

- To spread the legs, press (pump) the left pedal on the chassis.
- To narrow the legs, press (pump) the right pedal.




*On carpet floors you might find it difficult to manoeuvre the legs with a patient in the lifter. It is recommended, if possible, to adjust the legs before suspending the patient in the lifter. Alternatively you might try to move the lifter at the same time as pressing the pedals for leg adjustment.*

## Safety devices

Molift Smart 150 is equipped with several safety devices, which are intended to prevent damage to personnel and equipment in the case of incorrect use.

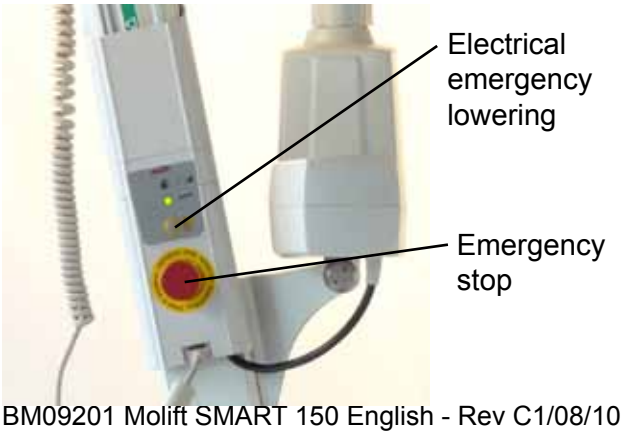
- The lifter has an overload sensor preventing the lifter to be operated with more the safe working load, 150 kg. If the load exceeds the SWL, the lifter will stop the movement.
- The lifter has a safety feature to prevent the lifting arm and suspension from squeezing a user if lowered too much. The actuator will not produce any force in downward movements.
- The legs are folded together during transport to make the lifter as small as possible. When assembling the lift, the legs must be spread to working position. A safety feature will prevent the lifting column to be fixed in the bracket before the legs are spread beyond transport position.
- The suspension has safety hooks to prevent the sling loops to fall off.
- The electronics are disabled if the temperature rises beyond a critical limit. Wait until the lifter has cooled down before using it again.

### Emergency stop and lowering

*Contact your Molift service partner if the reason for the failure causing an emergency lowering is unknown or if it is a result of failed components or parts.*

*Emergency stop*

The emergency stop will cut the power to the actuator, and is situated on the battery holder on the lifting column. Turning it clockwise until it pops out will reset the emergency button.



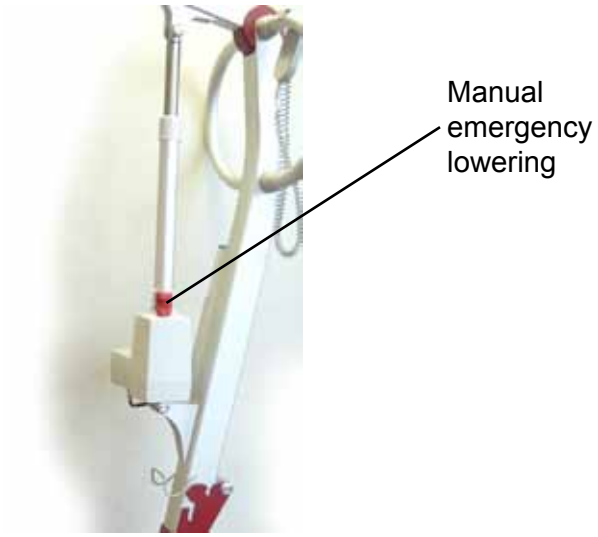

*Electrical emergency lowering*

It is possible to perform an emergency lowering of the lifting arm in case of a general malfunction of the control electronics. The button can be found on the battery holder. If you need to perform an emergency lowering, move the lifter to a suitable location to lower the user.

- Press the emergency lowering button. The lifting arm will then perform a smooth downward movement. The emergency stop button can not be activated when performing electrical emergency lowering.
- If the lifter still do not work, change battery and try the emergency lowering procedure again.
- If it still does not work, the suspended user must be lifted out manually either by using the manual lowering function or by requesting assistance.

*Manually emergency lowering*

The manually lowering function on the actuator is only to be used if the electrical lowering does not work.




*Pull the red handle slightly upwards. Take care, the lifter moves faster when activating the handle more. The lifter will stop dead with a danger of personal injury and damage on the lifter if the handle is released suddenly.*

## Operation

### Battery charger

Molift Smart 150 is supplied with a battery with a 14,4 V cell unit that is placed in the battery holder on the lift. A charger is also supplied to charge the battery whenever needed. The charger can be mounted on a wall surface or placed on a table.

Place the battery in the holder according to the arrow markings. After a few seconds the charger LED will change from yellow to orange, indicating that the battery is charging. When the LED gives a constant green light the battery is fully charged.

The charger LED indicate the status of the battery as described below:

| LED | Mode |
|---|---|
| Yellow | No battery |
| Yellow | Initialization (10 sec) |
| Orange | Fast charge |
| Green/yellow | Top-off charge |
| Green | Trickle charge |
| Orange/green | Error |

### Battery capacity

The battery indicator on the hand control will illuminate if the voltage of the battery falls below a certain level, indicating the need for charging. There will also be an audible signal There is still enough capacity to perform 3-5 lift cycles (75 kg) at this point. The battery indicator on the battery holder illuminates only if the handcontrol unit is disconnected and the battery needs charging.

*If the battery is discharged during a lift, it is always enough power to lower the user down again.*

*New batteries will not achieve full capacity before it has been fully charged and discharged a couple of times.*

### Electronics

There is a counter implemented in the electronic system of the lifter, registering the number of lifts. This number can be read by using the Molift Servicetool, and a service lamp indicates when the lifter needs service consisting of exchange of the lifting motor. See the chapter “Maintenance”.

The electronic system has a power save-function which makes the system sleep after a while with no activity. All lights will go out. Activate the system by pushing one of the buttons on the hand control.

If the lifter is run up and down constantly for a longer period, the electronics may be overheated and the lifter will stop. Wait until the lifter is cooled down enough for further use.

*Discarded lifters and batteries should be handled as electronic waste and collected separately according to local laws and regulations.*

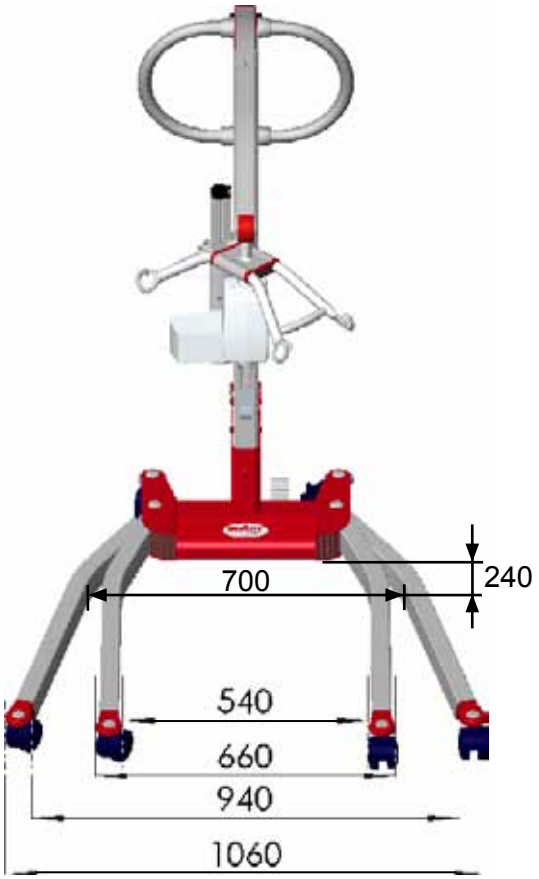
## Technical data

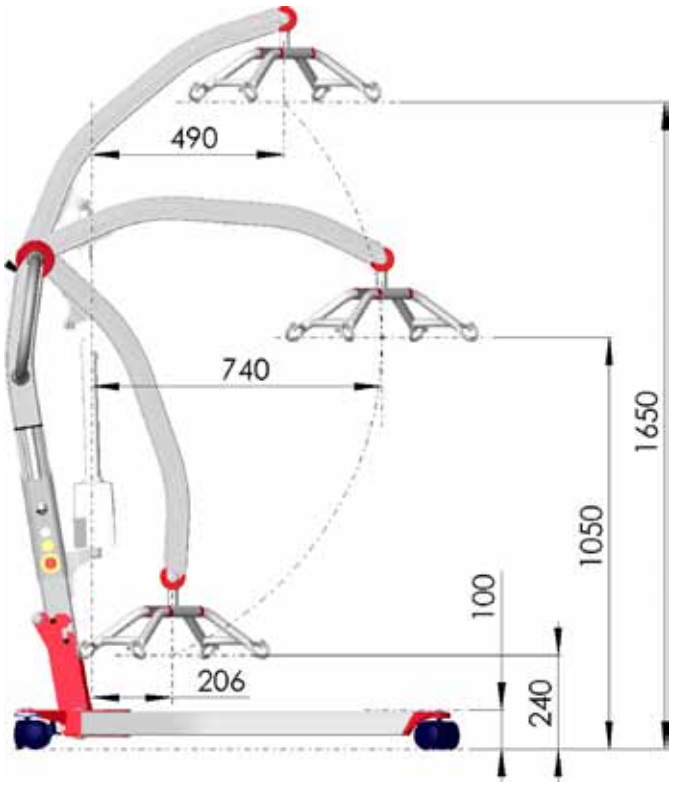
*Weight, total:*
Ex. battery; 25 kg / incl. battery: 25,8 kg
*Material:*
Steel and aluminium
*Motor:*
12 VDC
*Battery:*
14,4 V NiMH 2,2 Ah, Molift Power Pac
*Battery charger:*
Mascot type 2215, 10-22 cells NiCd/NiMH
*Protection:*
IPX4
*Number of lifts with fully charged battery:*
40 (75 kg/165 lb, 50 cm up/down)
*Safe Working Load (SWL):*
150 kg (330 lbs)

*Lifting height:*
0 - 750 mm below user
*Lifting speed:*
60 mm/sec
*Sound level, max A-weighted sound power level:*
$L_{WA}$ = 49,4 dB
*Operating forces:*
Buttons on hand control: 1,5 N
Foot pedal: max 300 N
*Height of legs:*
Max 110 mm
*Turning diameter:*
1300 mm
*Measurement, transport:*
1160 x 475 x 355 mm (LxWxH)
*Measurement, assembled:*
1160 x 1060 mm (LxW)

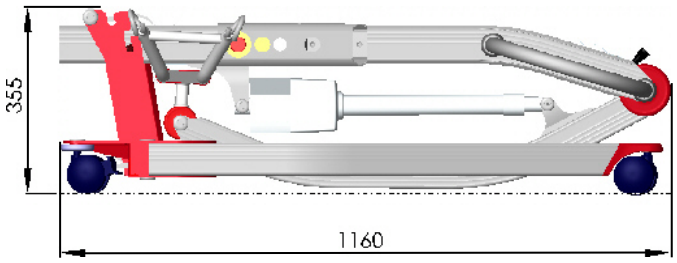
Measurements in illustrations below are in millimetres.

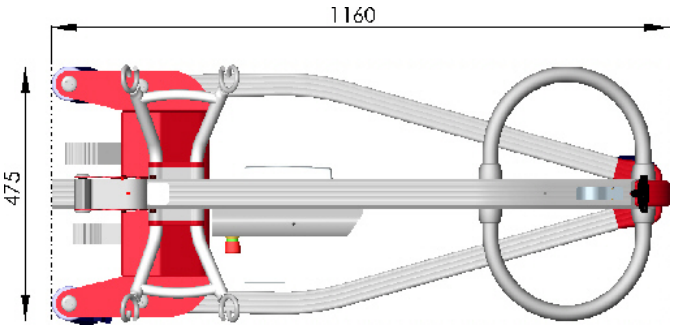
*Measurements with lifter in working position*



*Measurements with lifter in transport position*




## Labelling

The main label is placed on the column bracket on the left side of the chassis.

Nominal battery voltage

Model name

Safe Working Load

Part number and year/week of manufacturing

Serial number / bar code

Manufacturer

Separate waste collection

For indoor use

Type B Application

Read user manual

Control label on right side on chassis

Control lifter according to checklist on page 18

Periodical inspection each 12 month

Designated area for calendar and signed label for periodical inspection

READ USER MANUAL!

Molift Smart 150 short guide for mounting

READ USER MANUAL!

Lifter in transport position

Spread legs

Raise the lifting column

Make sure the column is placed correct in bottom of the chassis

Close the locking handle to secure the column.

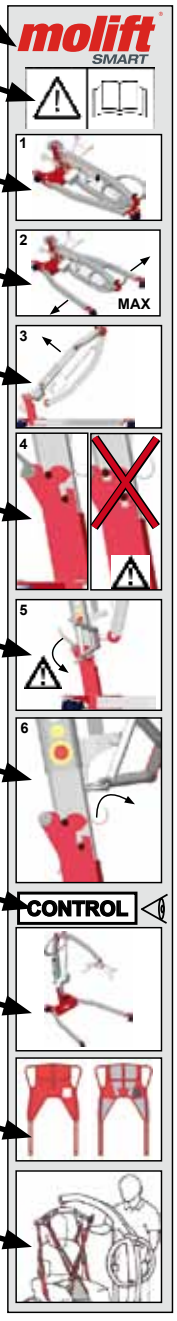
Release the suspension from transport hook.

Check lifter before use (checklist on page 7)

Lifter is ready for use

Choose correct sling and check for damage.

Make sure sling is attached correctly. Pay attention while lifting.



## Accessories

### Lifting sling

*Molift Easy Paediatric Sling*

| Size | No head support | With head support |
|---|---|---|
| XXS | Art. no 3005050 | Art. no 3006050 |
| XS | Art. no 3005000 | Art. no 3006000 |

Easy Toilet Sling and Basic Bathing Sling for kids, see the tables below, size XXS and XS.

*Molift Easy Sling*

| Size | No head support | With head support |
|---|---|---|
| XS | Art. no 3025000 | Art. no 3026000 |
| S | Art. no 3025100 | Art. no 3026100 |
| M | Art. no 3025200 | Art. no 3026200 |
| L | Art. no 3025300 | Art. no 3026300 |
| XL | Art. no 3025400 | Art. no 3026400 |
| XXL | Art. no 3025500 | Art. no 3026500 |

*Molift Basic Sling*

| Size | No head support | With head support |
|---|---|---|
| XXS | Art. no 3021050 | Art. no 3022050 |
| XS | Art. no 3021000 | Art. no 3022000 |
| S | Art. no 3021100 | Art. no 3022100 |
| M | Art. no 3021200 | Art. no 3022200 |
| L | Art. no 3021300 | Art. no 3022300 |
| XL | Art. no 3021400 | Art. no 3022400 |
| XXL | Art. no 3021500 | Art. no 3022500 |

*Molift Basic Bathing Sling*

| Size | No head support | With head support |
|---|---|---|
| XXS | Art. no 3023050 | Art. no 3024050 |
| XS | Art. no 3023000 | Art. no 3024000 |
| S | Art. no 3023100 | Art. no 3024100 |
| M | Art. no 3023200 | Art. no 3024200 |
| L | Art. no 3023300 | Art. no 3024300 |
| XL | Art. no 3023400 | Art. no 3024400 |
| XXL | Art. no 3023500 | Art. no 3024500 |

*Molift Easy Toilet Sling*

| Size | No head support | With head support |
|---|---|---|
| XXS | Art. no 3032050 | Art. no 3033050 |
| XS | Art. no 3032000 | Art. no 3033000 |
| S | Art. no 3032100 | Art. no 3033100 |
| M | Art. no 3032200 | Art. no 3033200 |
| L | Art. no 3032300 | Art. no 3033300 |
| XL | Art. no 3032400 | Art. no 3033400 |
| XXL | Art. no 3032500 | Art. no 3033500 |

*Molift Easy Toilet Sling Comfort*

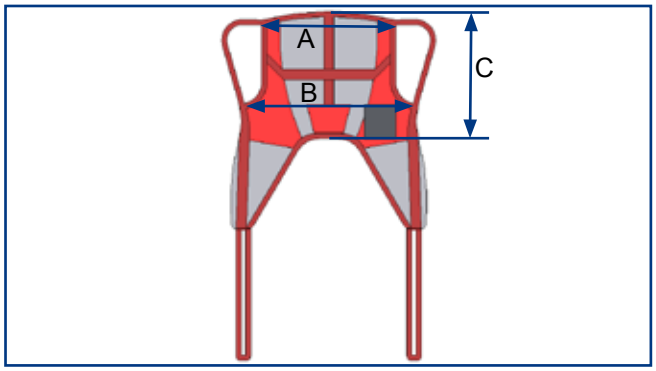
| Size | No head support | Separate head support |
|---|---|---|
| XXS | Art. no 3016050 | Art. no 3016055 |
| XS | Art. no 3016000 | Art. no 3016001 |
| S | Art. no 3016100 | Art. no 3016111 |
| M | Art. no 3016200 | Art. no 3016222 |
| L | Art. no 3016300 | Art. no 3016333 |
| XL | Art. no 3016400 | Art. no 3016444 |
| XXL | Art. no 3016500 | Art. no 3016555 |

*Molift Easy Amputee Sling*

| Size | No head support | With head support |
|---|---|---|
| XXS | Art. no 3027050 | Art. no 3028050 |
| XS | Art. no 3027000 | Art. no 3028000 |
| S | Art. no 3027100 | Art. no 3028100 |
| M | Art. no 3027200 | Art. no 3028200 |
| L | Art. no 3027300 | Art. no 3028300 |
| XL | Art. no 3027400 | Art. no 3028400 |
| XXL | Art. no 3027500 | Art. no 3028500 |

Bag for slings - Art. no 3048000

*Sling size guide*




Easy and Basic Slings

| Size | Color code | Recomm. weight (Kg) | A (cm) | B (cm) | C (cm) |
|---|---|---|---|---|---|
| *XXL* | White | 230-300 | 86 | 130 | 68 |
| *XL* | Blue | 160-240 | 76 | 115 | 66 |
| *L* | Green | 90-160 | 66 | 100 | 64 |
| *M* | Yellow | 45-95 | 56 | 85 | 62 |
| *S* | Red | 25-50 | 51 | 75 | 60 |
| *XS* | Light blue | 17-25 | 46 | 65 | 58 |
| *XXS* | Pink | 12-17 | 41 | 55 | 56 |

Choice of sling size depends on both user weight and shape/size of user.

*Please see the user manual that comes with the sling for specific instructions.*

## Equipment

### Transport bag

for Molift Smart 150 lifter w/batteries.

- Transport bag (soft) for Molift Smart
  Part. no: 3049175
- Hard case for Molift Smart
  Part. no: 0920200

## Troubleshooting

Faults on lifters that do not function as they should after assembly (page 5) or after the pre-use check has been completed (page 7), can be localized using the troubleshooting table below.

| Symptom | Possible cause/action |
|---|---|
| The lifting column is wobbly | The lifting column is not correctly positioned in the chassis or the locking handle is not fully locked / *verify position of lifting column and locking handle acc. to mounting instructions on page 5.* |
| | The lifting column can not be correctly fitted */ faulty safety mechanism in chassis, contact local representative for service* |
| The lifter moves unevenly on a plane surface | The castors move unevenly because of pile and dust */ clean castors as described on page 16.* |
| | Fault in the leg spreading mechanism */ contact local representative for service.* |
| The lifter only moves in one direction - either up or down | Hand control has failed */ test with another hand control and change if defective.* |
| | The control electronics has failed */ contact local representative for service and use manually emergency lowering, where necessary* |
| The lifter runs out of control | Short circuit between hand control and lifter */ clean hand control plug surfaced with alcohol to remove grease* |
| | Defective hand control */ replace hand control / contact local representative for service* |
| | The control electronics has failed */ contact local representative for service* |
| The lifting arm (lifting motor) does not move | Emergency stop button is activated */ turn button clocwise to reset emergency stop, see p. 9* |
| | Battery is empty / *change to a new battery or recharge battery, see page 10* |
| | The control electronics of the lifter is overheated */ Leave lifter to cool down, see page 10* |
| | The lifter is overloaded / *make sure the load does not exceed 150 kg, see page 9* |
| | The hand control cable is unplugged / *reconnect plug* |
| | Hand control has failed / *replace hand control / contact local representative for service* |
| | Defective control electronics / *contact local representative for service* |
| Battery does not recharge | Faulty battery / *try another battery / replace battery* |
| | Faulty battery charger / *try another charger / contact local representative for service* |

If you have access to more than one lifter, it may be helpful to change parts across lifters to help identify any faults. For instance, if you suspect the fault to be inside the hand control, exchange the hand control with at functional one from another similar lifter to see if the problem is fixed.

If you are not able to solve the fault or problems by yourself using this manual, please contact local authorised service representative. If you do not know whom to contact locally, please contact your dealer or Molift Group AS to get help.

## Maintenance

Maintenance of the lifter consists of check before use, cleaning, inspection and service. Check the lifter according to the checklist before use on page 7, to reveal faults or errors. In regularly inspections of the lifter, which as a minimum should be monthly inspections and annual (periodic) inspections.

### Cleaning

*Detergents must be pH-neutral. Do not use solvents or strong liquids - this may damage surfaces on the lifter. For disinfection when needed; use isopropyl alcohol. Avoid abrasive cleaning products.*

- Clean surfaces with a damp cloth using an appropriate detergent.
- Remove hair and pile from the castors and verify that the castors rotates without abnormal friction.
- Clean contact and hand control with spirit or similar to remove grease and dirt.
- Regular cleaning is recommended and should be implemented in the suitable cleaning routines.

### Monthly inspection

Assemble the lifter before inspection.

- Check the lifter according to the checklist before use on page 7.
- Clean the lifter as described above.
- Verify that the contacts of the hand control and charger is firmly in place, and verify that the cables for the hand control, actuator and charger are intact.
- Run the lifter up and down to verify that it runs normally and without any abnormal noise.
- The lifter must be taken out of service immediately and marked "Out of order", or not taken into service, if faults and/or irregularities are discovered.

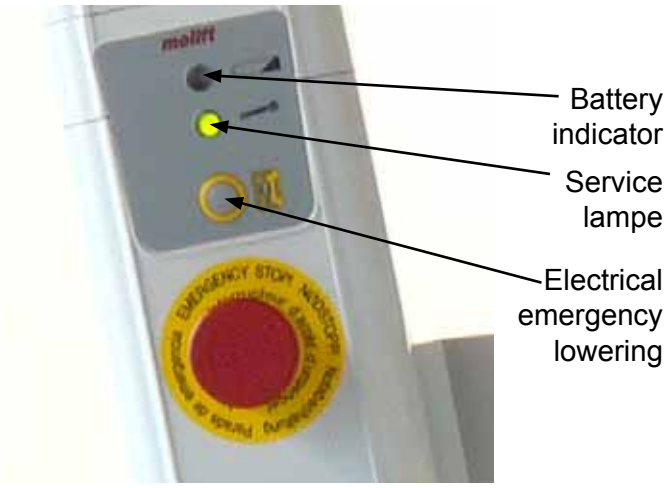
### Periodic inspection

Molift recommends periodic inspection once a year, alternatively more often if required by local regulations. Use the checklist for periodic inspection on page 18.

Inspection is to be performed by authorized personnel. The owner is responsible to ensure proper logging and written verification of each inspection.

## Service

Molift Smart 150 has a LED on the battery holder indicating if the lifter needs service. The LED gives a green light when the lifter is ready for use.




The electronics logs how much the lifter is being used, and the load it is used with. After a given time of usage there will be given a signal that the lifter needs service to the service LED. The LED will first give a yellow light, then red. Take contact with your local service representative and order service. If there is a sound together with the light, it means the lifter needs service immediately.

| Service lamp | Status |
|---|---|
| No light | Power save |
| Green | Ready for use |
| Yellow | Order service, lifter still works |
| Red | Perform service |
| Red + sound | Perform service immediately |

Service consists of replacing the lifting motor and check/replacement of worn or damaged parts. Service and repair should be performed by authorized personnel only.

Fill in and sign a copy of the checklist on next page. The owner is responsible to ensure proper logging and written verification of each service or repair.

| Checklist for periodic inspection of Molift Smart 150<br>Revision F □06/2009 |
|---|

**COMPULSORY SAFETY CHECK (annual):**

| OK | Fault | Corrected | Visual inspection |
|---|---|---|---|
| | | | Whole lifter checked for damage, cracks and deformation and found to be in good order. (Especially suspension, lifting arm, lifting motor, wheels and all cables). |
| | | | Lifter has been correctly assembled and no parts are missing. (Especially column lock, column attachment and suspension). |
| | | | All labels are present, without damage and readable |
| | | | Accessories have been checked. See separate form for sling. Battery charger is an accessory.<br>List the accessories checked: □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ |
| | | | **Function checks** |
| | | | Emergency stop and hand control have been checked and are in working order. |
| | | | The lifter has been rolled over the floor (preferably under load) and runs easily and steadily. |
| | | | Leg extender mechanism functions correctly (stops in correct positions). |
| | | | The lifter has been fully raised and lowered (preferably under load) and moves evenly, without noise and the lifting motor shows no runout. |
| | | | **Servicing required** |
| | | | Servicing unnecessary because the servicing lamp is on green and the lifter is under 5 years old. |

| Completed | Compulsory in case of faults under one of the above points: |
|---|---|
| | The lifter has been removed from service and clearly marked **"OUT OF ORDER".** |
| | Certified personnel have been summoned to carry out repairs and servicing.<br>Name /Tel./ Fax:□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ |

| Completed | Compulsory where lifter has been checked and approved: |
|---|---|
| | The lifter has passed the safety check and been affixed with the Molift safety check label, duly dated and signed. |
| | The ticked and signed checklist has been passed to the client. |

Comments on faults and repairs: ..... ..... .....
..... ..... ..... .....
..... ..... ..... .....
..... ..... ..... .....
..... ..... ..... .....
..... ..... ..... .....

Lifter serial no.: ..... .....Other ID. no. (if any): .....
Client:..... ..... ..... .....
Inspection carried out by: (Block capitals) ..... ..... from.....
Molift certification no. (if any) of inspector/repairer: ..... ..... .....

The equipment has been tested and is in full working order Yes ☐ No ☐

Place: ..... Date: ..... Signature: ..... .....

CE

# DECLARATION OF CONFORMITY

molift®

Etac Supply Gjøvik
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NORWAY
Telephone: + 47 4000 1004

hereby declare that:

**Molift SMART 150 patient lifter**
and that the accessoires used only together with this product

**are in conformity with:**

- The Council Directive concerning medical devices 93/42/EEC (incl amendment 2007/47/EC) and according to this classified as ***medical equipment class 1***
  Expiration date : 11th October 2016

**Molift SMART is manufactured in conformity with the following national or international standards that also might implement a harmonised standard:**

- ISO10535:2006 Hoists for the transfer of disabled persons - Requirements and test methods
- ISO 14971 Medical equipment - Risik analysis

**Notified body:**

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NEMKO AS
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Tel: + 47 22960342

Title: Chief Operating Officer
Name: Morten Harald Lie
Company: Etac Supply Gjøvik

11.10.2011
Date

Signature

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